R&D Engineer (Computer Graphics)

At colormass we are developing state of the art technologies in the field of 3D. We are currently looking to expand our R&D-team with physicists, mathematicians and computer scientists who are interested in solving difficult theoretical problems with a practical use. Your role will be to work on a solution for challenging problems or to implement an existing paper or technique. One example of such a task would be to research concepts and algorithms which can extract the surface properties of fabrics, wood and other finishes. More specifically, algorithms that efficiently approximate BSDF properties of different physical materials based on photographs captured using our in-house camera and light system. Another example would be to research geometry processing algorithms that efficiently approximate the form of real life objects based on a few photographs.

Responsibilities

- Develop, test and integrate computer graphics algorithms into our software
- Read papers and keep up with the newest research in the field of computer graphics
- Implement algorithms that efficiently approximate BSDF properties of different physical materials
- Implement algorithms that efficiently approximate the forms of real life objects
- Collaborate with highly skilled 3D artists and engineers

Requirements

- Experience in Python or C++
- High motivation and perseverance to tackle difficult problems
- Background in mathematics, physics, information technology or a related field

What we offer

- Being part of a technological revolution and shaping the future of the 3D industry
- Dynamic, stimulating company culture with a very challenging vision
- Continuous self-development and the opportunity to learn from highly skilled colleagues
- Job type: Full-time, student, internship
- Location: Berlin (close to Ernst-Reuter-Platz) or remote

How to apply?

Please send your application to jobs@colormass.com with the following information:

- Cover letter and Curriculum Vitae
- Anything computer science related you are proud of
- Salary expectation
- Put “R&D Engineer” in the subject line of your email